PUBLIC NOTICE

File Number: NRS 13.202

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Mr. Khalid Ahmed
Tennessee Department of Transportation
Suite 900, James K. Polk Bldg.
505 Deaderick St.
Nashville, TN 37243
615-253-0021

LOCATION: The proposed alterations are in Bradley County, TN along State Route 311; interchange between I-75 and SR-2.This project has 14 wetlands, 15 streams, and 3 ponds within the boundaries.

PROJECT DESCRIPTION: The TN Dept of Transportation proposes to construct a new interchange on State Route 311 (US 74) between Interstate 75 and South Lee Highway (SR 2) in Bradley County. The completion of this project would provide a new interchange and auxiliary lanes along SR-311. This new interchange would lie on SR-311 approximately 0.6 miles east of I-75 and 0.9 miles west of South Lee Highway. Auxiliary lanes along SR-311 would connect the interchange to the two adjoining interchanges. The total project length right-of-way length is approximately 0.919 miles. The applicant has determined that the project will not cause any loss of flood storage or power storage volumes.

The applicant has coordinated with Tennessee Wildlife Resources Agency concerning the potential impact this activity may have on endangered species. The TWRA has determined that the application, as proposed and with the implementation of the best management practices described within the application, is not likely to jeopardize the continued existence of endangered species within the vicinity of the proposed activity.

IMPACTS:
Cumulatively the applicant is proposing to impact more than 0.25 acres of wetlands for this project, therefore mitigation will be required for permanent impacts to wetlands. Wetland impacts will be mitigated at a 4:1 ratio at the nearest wetland mitigation bank unless appropriate in-system mitigation is located. The total impacts to wetlands is 1.672 acres.

Cumulatively the applicant is proposing to impact multiple streams above the level of de minimis and therefore will be required to mitigate. The applicant is proposing to use a combination of the Oostanaula Stream Mitigation Bank and the Tennessee Stream Mitigation Program to mitigate for stream impacts associated with this project. Total stream impacts associated with this project are 3,208.5 linear feet.

WTL-1- Latitude: 35.1517 Longitude:-84.9432
TDOT proposes to temporarily impact 0.03 acres of wetland. After road construction it shall be returned to the original elevation. Monitoring will be required post-project.

WTL-2 Latitude: 35.1501 Longitude: -84.9410
TDOT will permanently fill 0.02 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These impacts will be mitigated.

STR-1 Unnamed tributary to Candies Creek Latitude: 35.1501 Longitude: -84.9410
TDOT proposes to relocate 1266 linear feet of stream in a riprap lined channel. The applicant will mitigate for 950 linear feet of impact (0.75x1266) and are required to monitor to ensure hydrology is maintained. The applicant proposes to extend a 174.5 linear foot culvert with an additional 515 linear feet with 451.7 lf of a 30" pipe and 150 lf of a 36" pipe. The impacts mitigated for additional encapsulation are 689.5. Additionally there are 27 linear feet of stream loss, this total will be mitigated. Total debits for STR-1 are 1666.5 linear feet. This stream is unavailable for additional impacts to habitat.

WTL-4 Latitude: 35.1491 Longitude: -84.9367
TDOT will permanently fill 0.25 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These impacts will be mitigated.

WTL-5 Latitude: 35.1476 Longitude: -84.9378
TDOT will permanently fill 0.59 acres of wetlands for the construction of this interchange. This wetland is unavailable for additional impacts to habitat. These impacts will be mitigated.

STR-3/PND-1 Unnamed tributary to Candies Creek Latitude: 35.1493 Longitude: -84.9352
TDOT proposes to rock fill in Pond-1/STR-3 for 60 linear feet. TDOT will monitor the downstream system for hydrology to ensure baseflow is maintained post-project. They will mitigate for 60 linear feet of loss. This stream is unavailable for additional impacts to habitat.

STR-5 Unnamed tributary to Candies Creek Latitude: 35.1476 Longitude: -84.9322
TDOT proposes to extend encapsulation on this stream from 306 linear feet (48" RCP) an additional 191 linear feet with a 48"RCP. Two outfalls from special stormwater ditches at inlet and outlet are proposed. The total mitigation required for these impacts are 191 linear feet. This stream is unavailable for additional impacts to habitat.

STR-6 Unnamed tributary to Candies Creek Latitude: 35.1470 Longitude: -84.9313

TDOT proposes to extend a 42" RCP of 197 linear feet to a total of 285 linear feet. The total mitigation required for these impacts are 285 linear feet. This stream is unavailable for additional impacts to habitat.

WTL-6 Latitude: 35.1461 Longitude: -84.9299

TDOT will permanently fill 0.15 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These impacts will be mitigated.

WTL-7 Latitude: 35.1460 Longitude: -84.9306

TDOT will permanently fill 0.15 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These impacts will be mitigated.

WTL-9 Latitude: 35.1438 Longitude: -84.9257

TDOT will permanently fill 0.03 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These impacts will be mitigated.

STR-9 Unnamed tributary to Candies Creek Latitude: 35.1446 Longitude: -84.9272

TDOT is proposing to remove the concrete lining the channel and replace and relocate 215 linear feet of channel in a flexible channel liner. TDOT will be debited for 3 linear feet of channel loss and be required to monitor the stream to ensure no changes in hydrology. This stream is unavailable for additional impacts to habitat.

STR-7 Unnamed tributary to Candies Creek Latitude: 35.1448 Longitude: -84.9264

TDOT proposes to relocate a stream currently in a concrete channel into a riprap lined, rock-filled channel for 82 linear feet. TDOT will be required to monitor this system to ensure hydrology is maintained. This stream is unavailable for additional impacts to habitat.

STR-8 Unnamed tributary to Candies Creek Latitude: 35.1443 Longitude: -84.9273

TDOT is proposing to construct a temporary outfall from STR-9. No permanent impacts are proposed on this channel.

STR-11 Unnamed tributary to Johnston Branch Latitude: 35.1447 Longitude: -84.9463

TDOT is proposing to relocate 265 linear feet of stream into a riprap lined ditch, add a 24" side pipe and an outfall. TDOT will be required to monitor this stream to ensure the channel maintains hydrology. TDOT will be debited 199 linear feet (265x.075). This stream is available for additional impacts to habitat.

STR-12 Unnamed tributary to Johnston Branch Latitude: 35.1473 Longitude: -84.9460

TDOT is proposing to culvert 156 linear feet of stream and riprap 116 linear feet of channel. There will also be 50 linear feet of channel loss. They will replace these impacts with 302 linear feet of debits. This stream is available for additional impacts to habitat.

STR-13 Unnamed tributary to Johnston Branch Latitude: 35.1474 Longitude: -84.9451

TDOT is proposing to relocate 240 linear feet of stream into a riprap lined ditch and add an outfall. TDOT will be required to monitor this stream to ensure the channel maintains hydrology. TDOT will be debited 180 linear feet (240 x.075). This stream is available for additional impacts to habitat.

WTL-13 Latitude: 35.1464 Longitude: -84.9434

TDOT will permanently fill 0.12 acres of wetlands for the construction of this interchange and temporarily impact 0.09 acres. This wetland is available for additional impacts to habitat. These permanent impacts will be mitigated.

WTL-3 Latitude: 35.1504 Longitude: -84.9363

TDOT will permanently fill 0.36 acres of wetlands for the construction of this interchange and temporarily impact 0.01acres. This wetland is available for additional impacts to habitat. These permanent impacts will be mitigated.

STR-14 Unnamed tributary to Johnston Branch Latitude: 35.1467 Longitude: -84.9437

TDOT is proposing to place 130 linear feet of channel in a 30" pipe, including U-type walls and an outfall. This activity does not require mitigation. This stream is available for additional impacts to habitat.

STR-15 Unnamed tributary to Johnston Branch Latitude: 35.1454 Longitude: -84.9410

TDOT is proposing a 22 linear foot cross drain with 15 linear feet of a U-type endwall. This activity does not require mitigation. This stream is available for additional impacts to habitat.

STR-2 Unnamed tributary to Candies Creek Latitude: 35.1504 Longitude: -84.9364

TDOT is proposing to encapsulate 218 linear feet of stream into a 30" culvert. This activity also accounts for 22 linear feet of channel loss. Total impacts for this stream are 240 linear feet. This stream is unavailable for additional impacts to habitat.

WTL-14 Latitude: 35.1465 Longitude: -89.9423

TDOT will permanently fill 0.002 acres of wetlands for the construction of this interchange. This wetland is available for additional impacts to habitat. These permanent impacts will be mitigated.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: These streams are located in the Hiwassee River Watershed. The Hiwassee River Watershed is located in Middle Tennessee and North Carolina. The Tennessee portion includes parts of Bradley, Hamilton, McMinn, Meigs, Monroe and Polk counties. The Hiwassee River Watershed drains approximately 2,099 square miles, 1,011 square miles of which are in Tennessee, and empties to Chickamauga Reservoir (Tennessee River). There are 62 rare plant and animal species in the Tennessee portion of the Hiwassee River Watershed. For more information on this watershed please visit our website at http://www.tn.gov/environment/water/watersheds/hiwassee-river.shtml .

Stream Name / ID #: Unnamed Tribs to Johnston Branch and Unnamed tribs to Candies Creek (TN06020002005_0999)

Ecoregion: 67g Southern Shale Valleys

These are small streams with shallow flow. They are typically characterized by low bands, not more than 6 feet wide, and a few feet deep with sediment/shale/coble substrates.

The wetlands are typical slope and flat wetlands characterized by scrub/shrub of native vegetation. Those wetlands within the current right-of-way are linear, emergent features with limited functions.

The assessment information for each feature is within the impact statements. These features were assessed in 2014.

Assessment Date: 2014

PERMIT COORDINATOR: Vena Jones

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

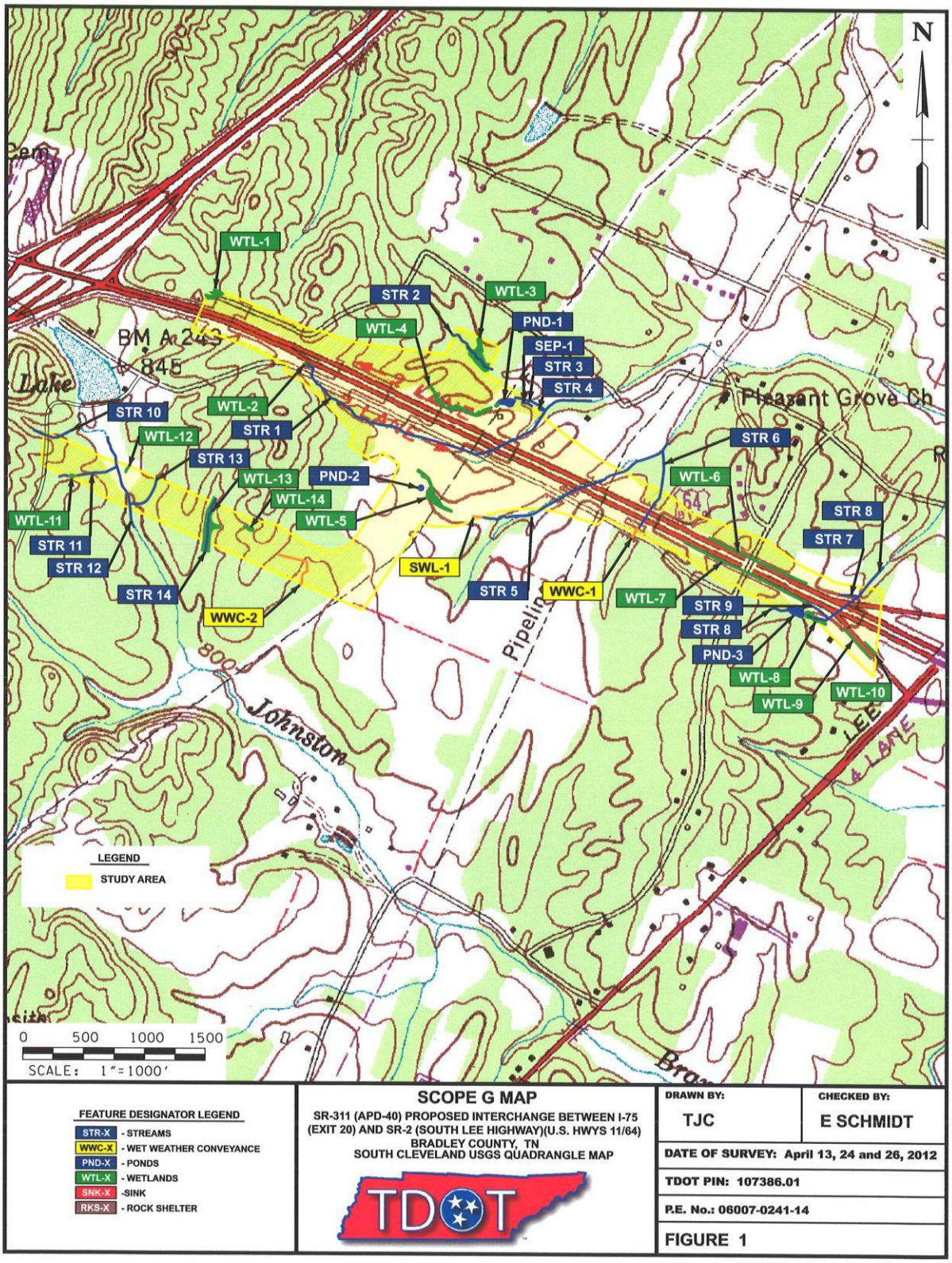
PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

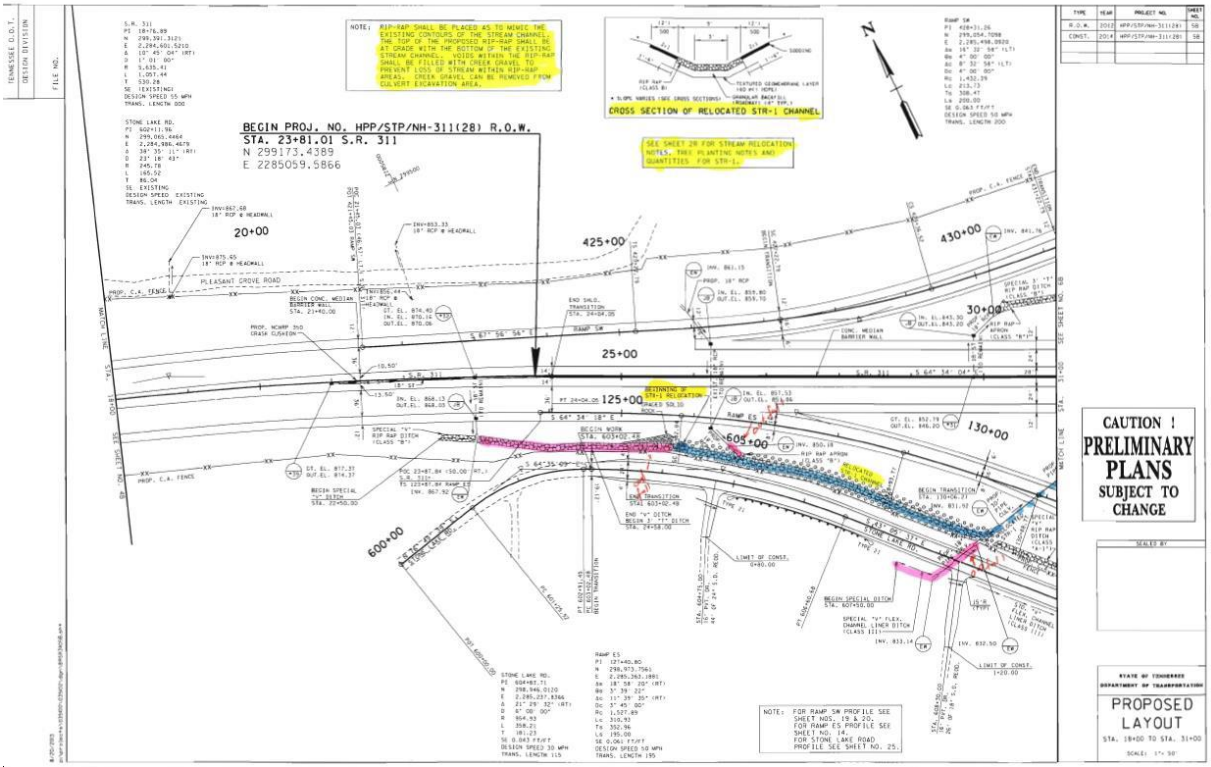
FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

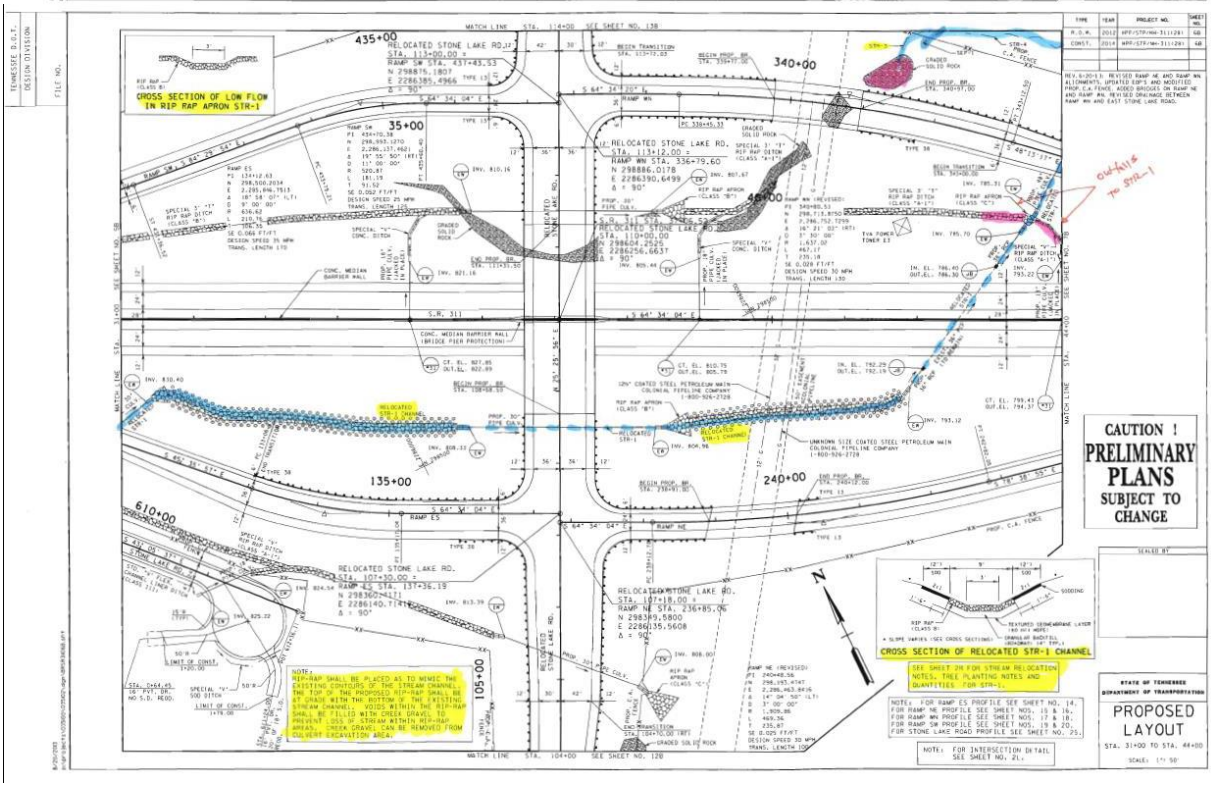
Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

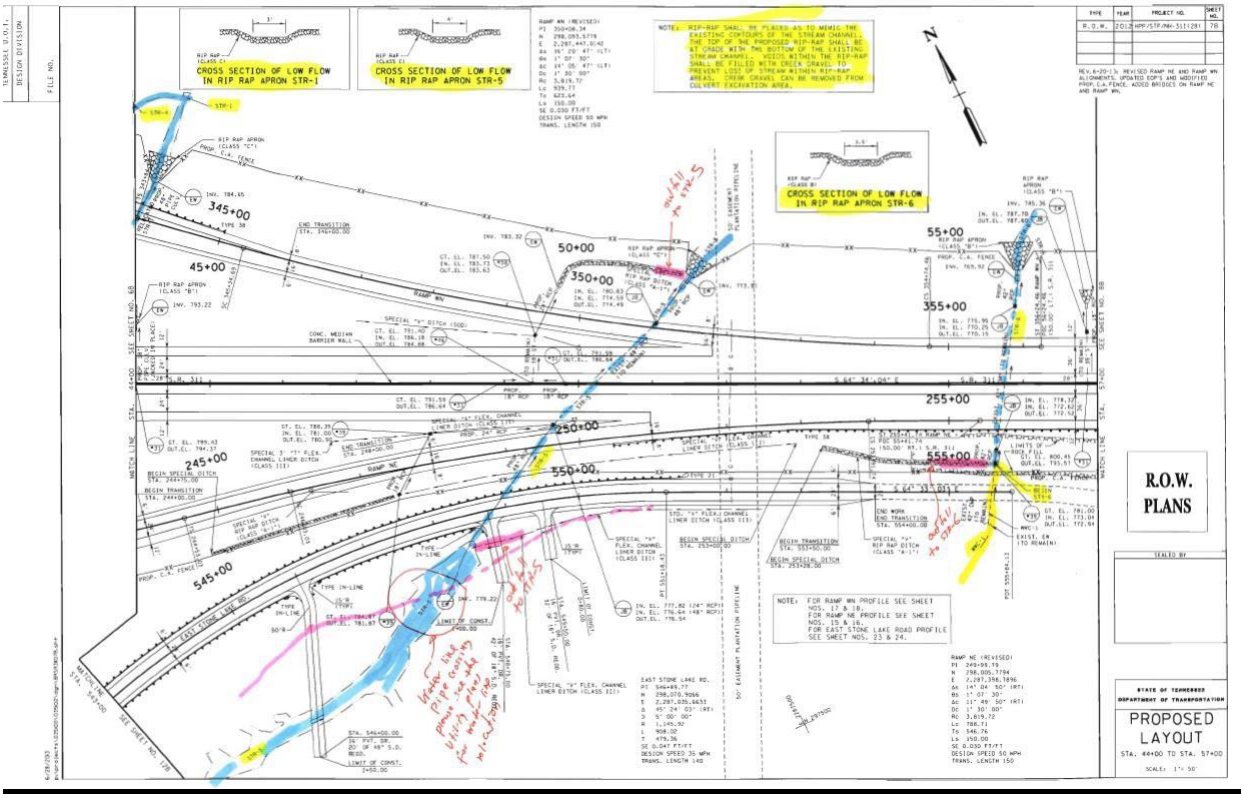
Location/Topographic Map

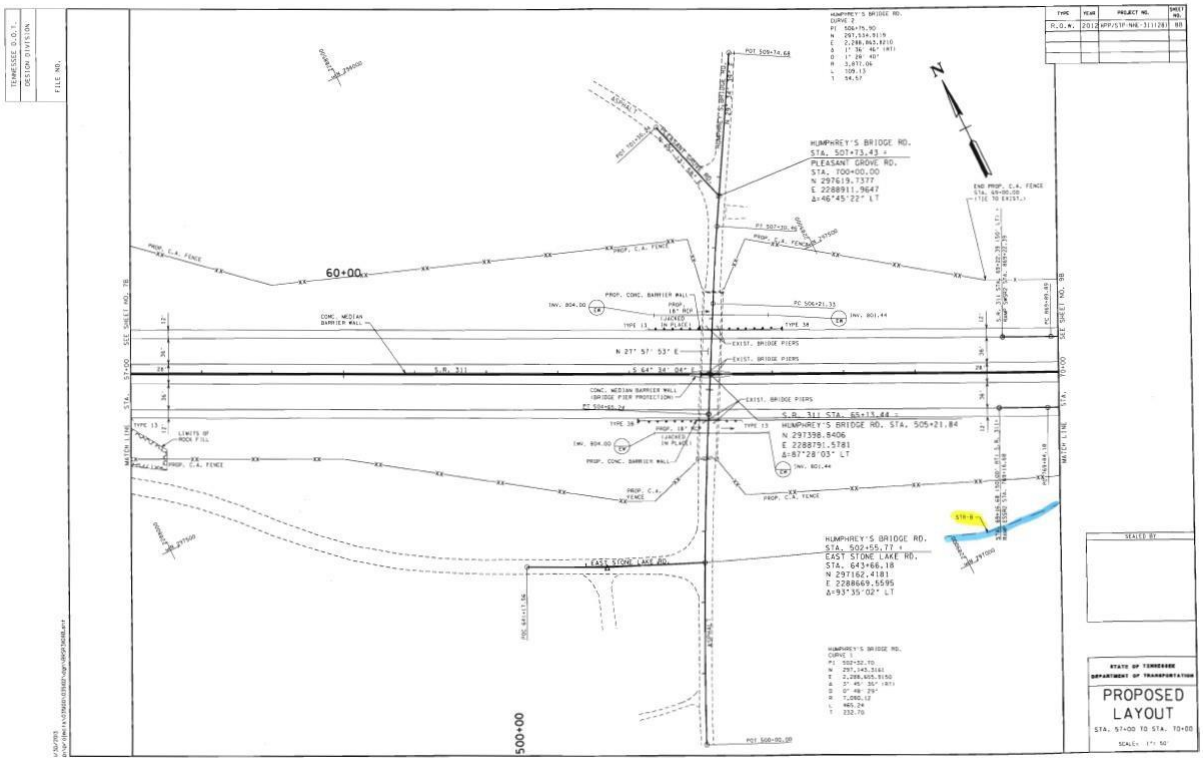


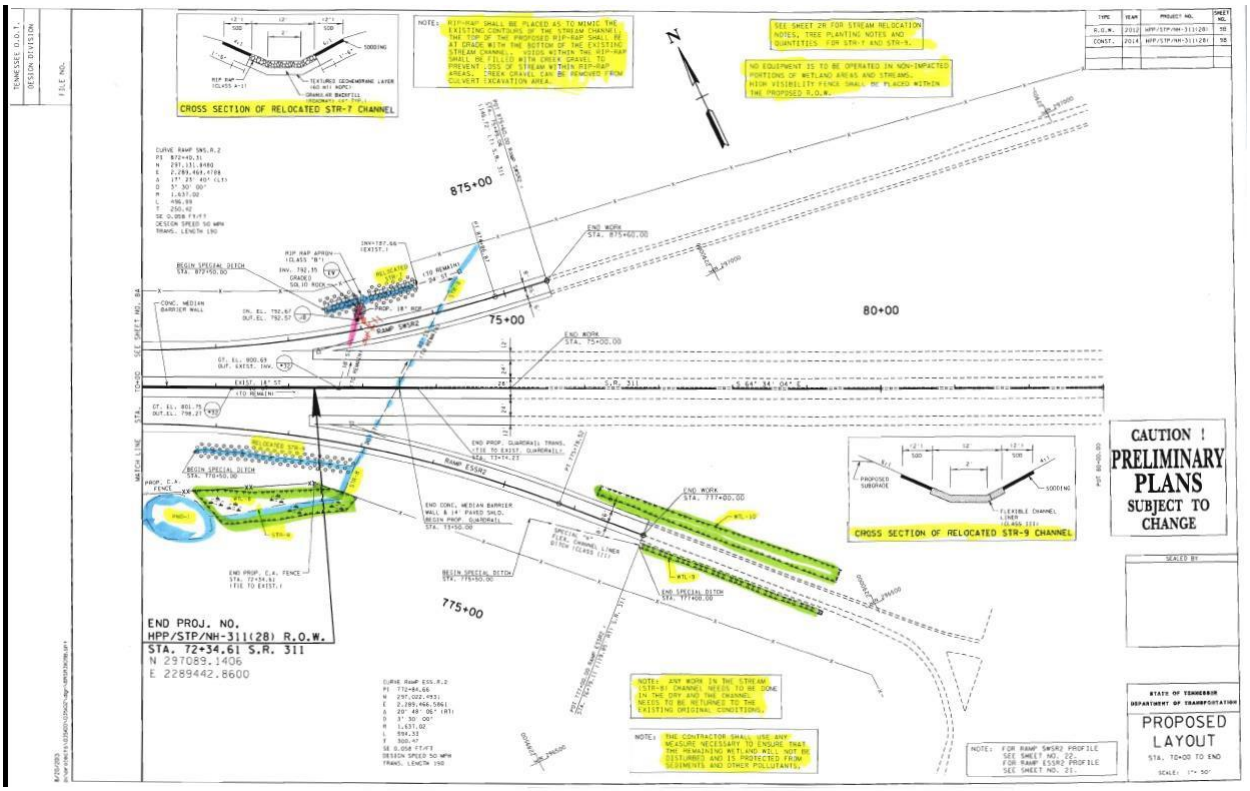
Site Designs

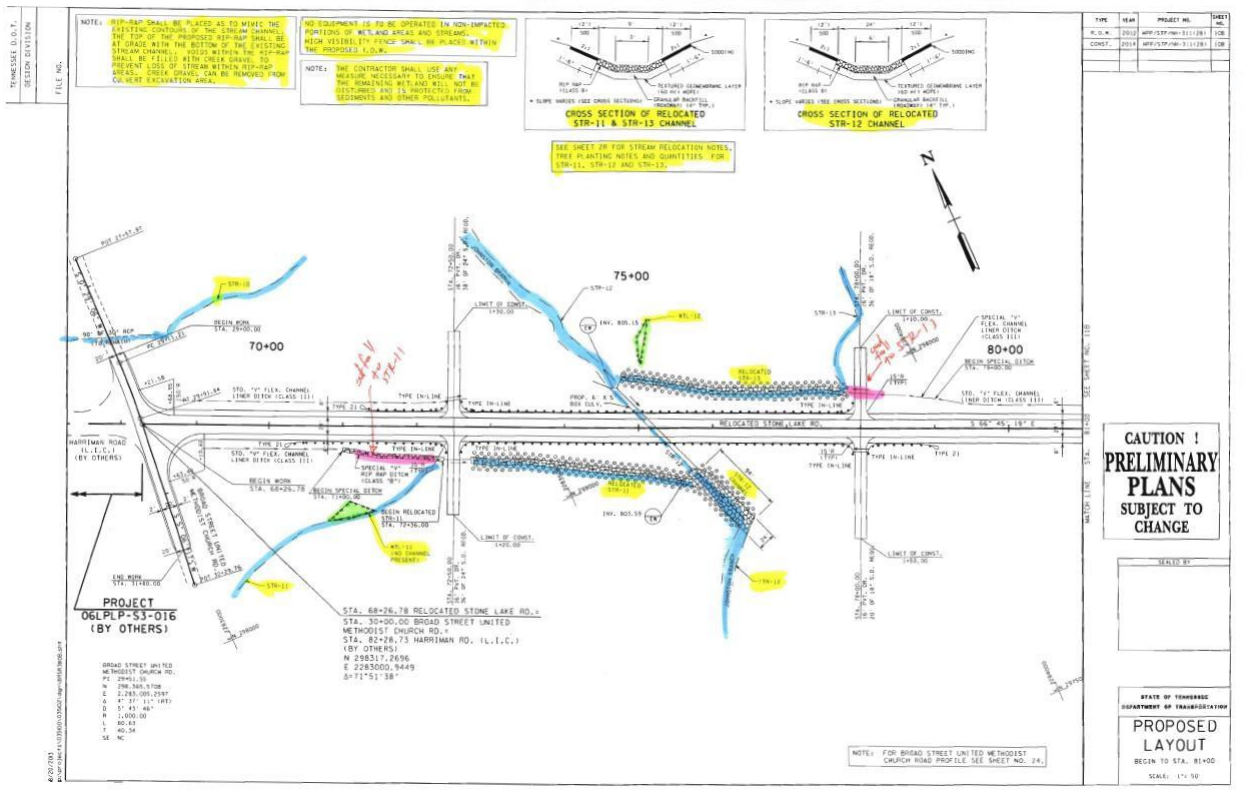


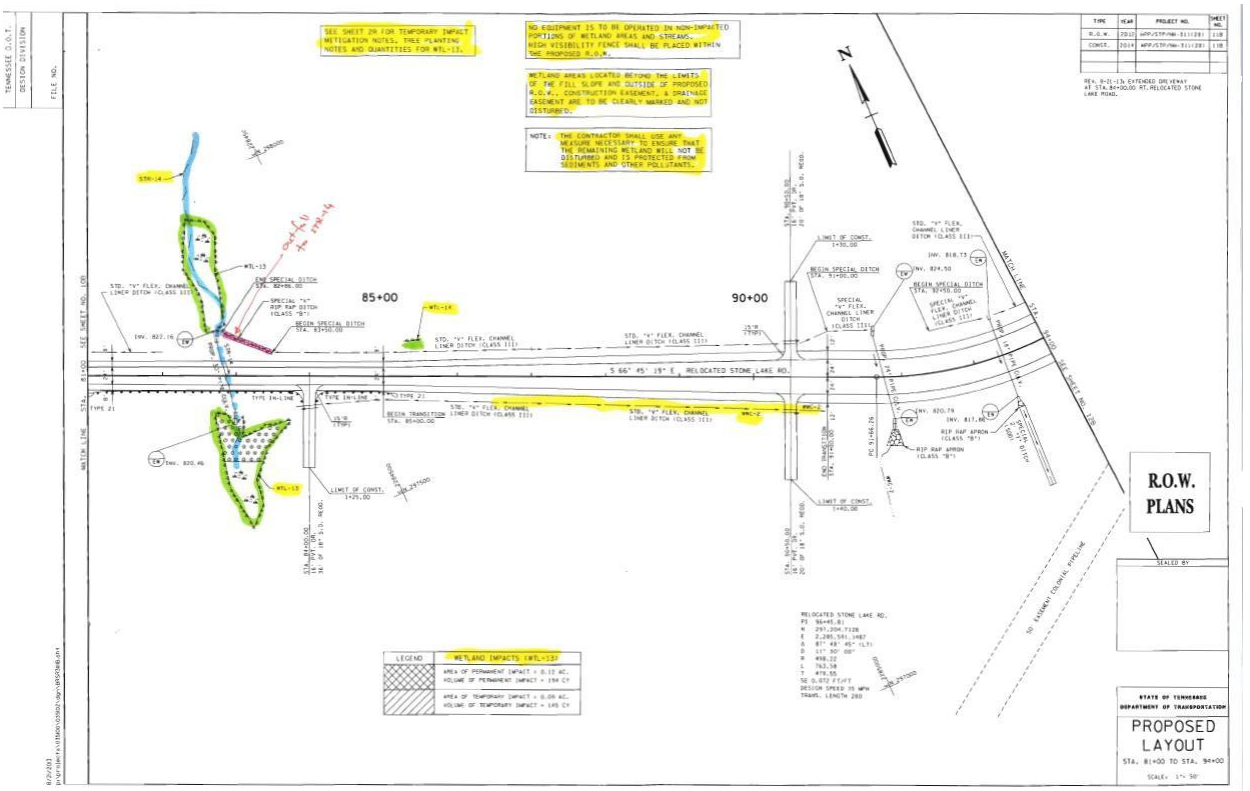


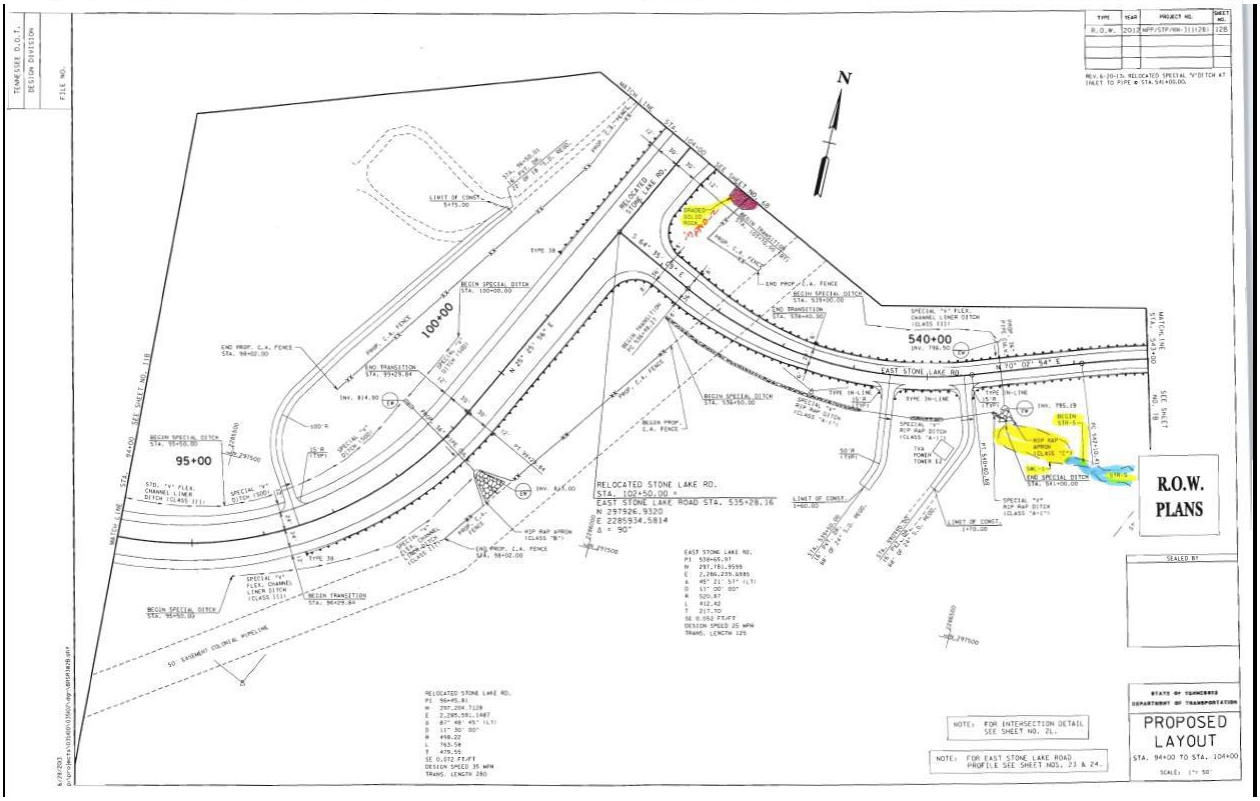

CROSS SECTION OF LOW FLOW IN RIP RAP APRON STR-1
CROSS SECTION OF LOW FLOW IN RIP RAP APRON STR-5
CROSS SECTION OF LOW FLOW IN RIP RAP APRON STR-6
NOTE: RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.
R.O.W. PLANS
PROPOSED LAYOUT
STA. 44+00 TO STA. 57+00
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
SEALED BY
345+00
50+00
45+00
350+00
55+00
355+00
250+00
245+00
550+00
545+00
255+00
555+00

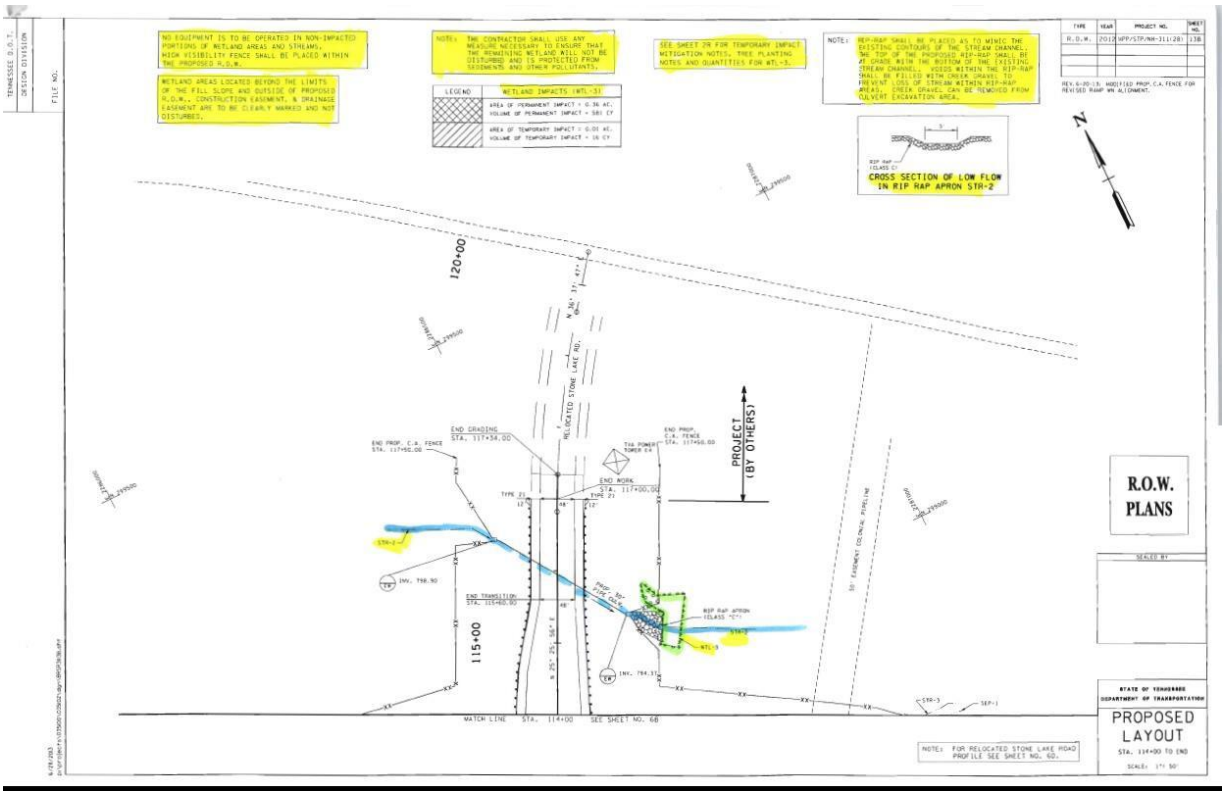

HUMPHREY'S BRIDGE RD. STA. 507+73.43 + PLEASANT GROVE RD. STA. 700+00.00 N 297619.7377 E 2288911.9647 Δ=46°45'22" LT
HUMPHREY'S BRIDGE RD. STA. 505+21.84 N 297398.8406 E 2288791.5781 Δ=87°28'03" LT
HUMPHREY'S BRIDGE RD. STA. 502+55.77 + EAST STONE LAKE RD. STA. 643+66.18 N 297162.4181 E 2288669.6595 Δ=93°35'02" LT
PROPOSED LAYOUT
STA. 57+00 TO STA. 70+00
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
SEALED BY
60+00
500+00


CROSS SECTION OF RELOCATED STR-7 CHANNEL
875+00
75+00
80+00
775+00
CROSS SECTION OF RELOCATED STR-9 CHANNEL
CAUTION !
PRELIMINARY
PLANS
SUBJECT TO
CHANGE
END PROJ. NO.
HPP/STP/NH-311(28) R.O.W.
STA. 72+34.61 S.R. 311
N 297089.1406
E 2289442.8600
PROPOSED
LAYOUT
STA. 70+00 TO END


CROSS SECTION OF RELOCATED
STR-11 & STR-13 CHANNEL
CROSS SECTION OF RELOCATED
STR-12 CHANNEL
70+00
75+00
80+00
PROJECT
061PLP-S3-016
(BY OTHERS)
CAUTION !
PRELIMINARY
PLANS
SUBJECT TO
CHANGE
PROPOSED
LAYOUT
BEGIN TO STA. 81+00


SEE SHEET 2R FOR TEMPORARY IMPACT MITIGATION NOTES, TREE PLANTING NOTES AND QUANTITIES FOR WTL-13.
NO EQUIPMENT IS TO BE OPERATED IN NON-IMPACTED PORTIONS OF WETLAND AREAS AND STREAMS. HIGH VISIBILITY FENCE SHALL BE PLACED WITHIN THE PROPOSED R.O.W.
WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND OUTSIDE OF PROPOSED R.O.W., CONSTRUCTION EASEMENT, & DRAINAGE EASEMENT ARE TO BE CLEARLY MARKED AND NOT DISTURBED.
NOTE: THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENTS AND OTHER POLLUTANTS.
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
N
85+00
90+00
WTL-13
WTL-14
WTL-15
WTL-1R
WTL-2
S 66° 45' 19" E RELOCATED STONE LAKE RD.
LEGEND
WETLAND IMPACTS (WTL-13)
AREA OF PERMANENT IMPACT = 0.12 AC.
VOLUME OF PERMANENT IMPACT = 194 CY
AREA OF TEMPORARY IMPACT = 0.08 AC.
VOLUME OF TEMPORARY IMPACT = 145 CY
RELOCATED STONE LAKE RD.
PI 96+45.81
N 297,204.7128
E 2,285,591.1487
Δ 87° 48' 45" (LT)
D 11° 30' 00"
R 498.22
L 763.58
T 479.55
SE 0.072 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 280
50' EASEMENT COLONIAL PIPELINE
TYPE | YEAR | PROJECT NO. | SHEET NO.
R.O.W. | 2012 | APP/STP/NH-31(128) | 1B
CONST. | 2014 | APP/STP/NH-31(128) | 1B
REV. 9-21-13: EXTENDED DRIVEWAY AT STA. 84+00.00 RT. RELOCATED STONE LAKE ROAD.
R.O.W. PLANS
SEALED BY
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
STA. 81+00 TO STA. 94+00
SCALE: 1" = 50'


TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
N
100+00
95+00
540+00
RELOCATED STONE LAKE RD.
STA. 102+50.00 =
EAST STONE LAKE ROAD STA. 535+28.16
N 297926.9320
E 2285934.5814
Δ = 90°
EAST STONE LAKE RD.
PI 550+45.97
N 297,781.9599
E 2,286,235.6385
Δ 45° 21' 53" (LT)
D 11° 00' 00"
R 520.87
L 412.42
T 217.70
SE 0.052 FT/FT
DESIGN SPEED 25 MPH
TRANS. LENGTH 125
RELOCATED STONE LAKE RD.
PI 96+45.81
N 297,204.7128
E 2,285,591.1487
Δ 87° 48' 45" (LT)
D 11° 30' 00"
R 498.22
L 763.58
T 479.55
SE 0.072 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 280
50' EASEMENT COLONIAL PIPELINE
TYPE | YEAR | PROJECT NO. | SHEET NO.
R.O.W. | 2012 | APP/STP/NH-31(128) | 1B
REV. 6-20-13: RELOCATED SPECIAL "V" DITCH AT INLET TO PIPE @ STA. 541+00.00.
R.O.W. PLANS
SEALED BY
NOTE: FOR INTERSECTION DETAIL SEE SHEET NO. 2L.
NOTE: FOR EAST STONE LAKE ROAD PROFILE SEE SHEET NOS. 23 & 24.
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
STA. 94+00 TO STA. 104+00
SCALE: 1" = 50'


NO EQUIPMENT IS TO BE OPERATED IN NON-IMPACTED PORTIONS OF WETLAND AREAS AND STREAMS. HIGH VISIBILITY FENCE SHALL BE PLACED WITHIN THE PROPOSED R.O.W.
WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND OUTSIDE OF PROPOSED R.O.W., CONSTRUCTION EASEMENT, & DRAINAGE EASEMENT ARE TO BE CLEARLY MARKED AND NOT DISTURBED.
NOTE: THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENTS AND OTHER POLLUTANTS.
SEE SHEET 2N FOR TEMPORARY IMPACT MITIGATION NOTES, TREE PLANTING NOTES AND QUANTITIES FOR WTL-1.
NOTE: RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CHEA GRAVEL TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CHEA GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.
LEGEND
WETLAND IMPACTS (WTL-1)
AREA OF PERMANENT IMPACT = 0.36 AC.
VOLUME OF PERMANENT IMPACT = 581 CY
AREA OF TEMPORARY IMPACT = 0.01 AC.
VOLUME OF TEMPORARY IMPACT = 16 CY
CROSS SECTION OF LOW FLOW IN RIP RAP APRON STR-2
TYPE
YEAR
PROJECT NO.
SHEET NO.
R.O.W.
2012(HPP/STP/NH-311(28)
138
REV. 6-20-13: MODIFIED PROP. C.A. FENCE FOR REVISED RAMP WB ALIGNMENT.
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
120+00
115+00
RELOCATED STONE LAKE RD.
PROJECT (BY OTHERS)
END GRADING STA. 117+34.00
END PROP. C.A. FENCE STA. 117+50.00
END PROP. C.A. FENCE STA. 117+50.00
END WORK STA. 117+00.00
TYPE 21
TYPE 21
TVA POWER TOWER 64
STR-2
INV. 798.90
END TRANSITION STA. 115+80.00
RIP RAP APRON (CLASS "D")
WTL-1
INV. 794.31
STR-3
SEP-1
50' EASEMENT COLONIAL PIPELINE
MATCH LINE STA. 114+00 SEE SHEET NO. 6B
NOTE: FOR RELOCATED STONE LAKE ROAD PROFILE SEE SHEET NO. 6D.
R.O.W. PLANS
SCALED BY
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
STA. 114+00 TO END
SCALE: 1" = 50'